



DEPARTMENT OF CONSERVATION

DIRECTOR'S OFFICE

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May 10, 2007

NOTICE

To: All Interested Parties

Subject: Biannual Report of Beverage Container Sales, Returns, Redemption, and Recycling Rates

Public Resources Code Section 14551 requires the Department of Conservation (Department) to report biannually on the redemption and recycling rates for each six-month period within 130 days of the end of that period. Enclosed please find the Biannual Report of Redemption and Recycling Rates for the second six-month period July through December 2006 and the twelve-month period January through December 2006.

The beverage container recycling rate for All Materials for the period July through December 2006 is 57 percent. Material specific recycling rates are as follows: aluminum 68 percent, glass 53 percent, #1 PET 44 percent, #2 HDPE 58 percent, #3 PVC 27 percent, #4 LDPE 0 percent, #5 PP 5 percent, #6 PS 1 percent, #7 Other 6 percent, and bimetal 8 percent.

Although the beverage container recycling rates for All Materials is the same as the July through December 2005 period, the number of beverage containers recycled increased over 552 million.

The beverage container recycling rate for All Materials for the 2006 calendar year is 60 percent. Material specific recycling rates are as follows: aluminum 72 percent, glass 59 percent, #1 PET 47 percent, #2 HDPE 59 percent, #3 PVC 19 percent, #4 LDPE 0 percent, #5 PP 2 percent, #6 PS 1 percent, #7 Other 4 percent, and bimetal 8 percent.

During 2006, Californians recycled over 13 billion beverage containers – over 814 million containers more than 2005. California still leads the nation in total quantity of bottles and cans recycled.

If you have any questions about this report, please contact Chuck Seidler, Acting Assistant Director for the Division of Recycling, at (916) 323-3836.

Bridgett Luther
Director

Enclosures

Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

Table 1
May 10, 2007



RATES			CONTAINERS			
ALUMINUM	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled**
JULY - DEC 2006	68	68	5,525,215,149	3,777,328,261	0	10,495,163
JAN - JUNE 2006	77	77	4,493,600,751	3,440,222,115	0	0
JULY - DEC 2005	70	70	5,235,407,672	3,661,950,484	0	9,350,505
JAN - JUNE 2005	77	77	4,413,672,288	3,411,990,258	0	7,514,077
GLASS						
JULY - DEC 2006	60	53	2,053,100,341	1,095,847,275	2,221	192,335,944
JAN - JUNE 2006	74	65	1,555,413,419	1,017,100,511	600	178,033,639
JULY - DEC 2005	61	54	1,896,469,833	1,032,892,554	2,130	170,193,210
JAN - JUNE 2005	71	62	1,570,063,245	980,870,171	0	183,468,415
#1 PET						
JULY - DEC 2006	44	44	4,527,973,516	2,011,374,219	0	75,727,130
JAN - JUNE 2006	50	50	3,270,949,532	1,633,150,765	0	65,380,452
JULY - DEC 2005	43	43	3,907,877,724	1,682,184,895	0	66,559,300
JAN - JUNE 2005	49	49	2,951,017,756	1,442,406,857	0	64,038,059
#2 HDPE						
JULY - DEC 2006	163	58	192,335,511	111,670,607	0	207,764,916
JAN - JUNE 2006	174	60	175,760,364	105,607,769	0	204,703,844
JULY - DEC 2005	141	49	205,956,870	100,960,026	0	194,600,776
JAN - JUNE 2005	159	53	184,653,264	98,486,320	0	199,113,532
#3 PVC						
JULY - DEC 2006	27	27	167,121	44,385	0	16
JAN - JUNE 2006	11	11	147,100	15,739	0	513
JULY - DEC 2005	14	14	249,462	35,519	0	1,206
JAN - JUNE 2005	0	0	320,799	1,078	0	487
#4 LDPE						
JULY - DEC 2006	0	0	3,861,606	4,455	0	10,853
JAN - JUNE 2006	0	0	2,600,683	1,327	0	1,202
JULY - DEC 2005	0	0	4,074,759	2,687	0	745
JAN - JUNE 2005	0	0	2,825,735	5,453	0	520
#5 PP						
JULY - DEC 2006	5	5	1,464,209	72,049	0	3,398
JAN - JUNE 2006	0	0	2,480,945	1,435	0	469
JULY - DEC 2005	0	0	3,053,088	12,256	0	7
JAN - JUNE 2005	53	49	21,762	10,721	0	936

(Continued on next page)

Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

Table 1
May 10, 2007



RATES			CONTAINERS			
#6 PS	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled**
JULY - DEC 2006	1	1	19,406,377	144,053	0	7,120
JAN - JUNE 2006	1	1	13,025,818	102,976	0	5,368
JULY - DEC 2005	1	1	14,568,656	133,039	0	9,472
JAN - JUNE 2005	0	0	18,072,796	72,278	0	10,072
#7 OTHER						
JULY - DEC 2006	6	6	22,312,516	1,245,306	0	109,503
JAN - JUNE 2006	3	3	19,213,387	543,357	0	119,608
JULY - DEC 2005	5	5	17,670,749	837,017	0	38,585
JAN - JUNE 2005	8	8	12,116,761	964,056	0	38,339
BIMETAL						
JULY - DEC 2006	8	8	22,031,494	1,749,970	0	162,935
JAN - JUNE 2006	8	8	19,498,420	1,485,126	0	193,588
JULY - DEC 2005	7	7	25,169,391	1,706,165	0	214,359
JAN - JUNE 2005	9	8	22,009,149	1,802,386	0	218,569
ALL MATERIALS						
JULY - DEC 2006	58	57	12,367,867,840	6,999,480,580	2,221	486,616,976
JAN - JUNE 2006	66	65	9,552,690,419	6,198,231,118	600	448,409,570
JULY - DEC 2005	58	57	11,310,498,204	6,480,714,641	2,130	440,968,166
JAN - JUNE 2005	66	65	9,174,773,555	5,936,609,579	0	454,403,005

CALCULATION OF REDEMPTION AND RECYCLING RATES

A = number of empty beverage containers returned

B = refillables returned

C = postfilled food or drink packaging containers returned

D = number of beverage containers sold

$$\text{Redemption Rate} = \frac{A + B + [C - (0.05 \times (A + B))]}{D}$$

$$\text{Recycling Rate} = \frac{(A+B)}{D} \quad \text{(The value in brackets [] is included only when greater than zero.)}$$

CONTAINER PER POUND RATES (CRV/POSTFILLED)	ALUMINUM	GLASS	#1 PET	#2 HDPE	#3 PVC	#4 LDPE
JUL - DEC 2006	29.5/35.16	1.83/0.98	12.8/5.84	5.6/4.87	9.8/NA	41.6/NA
CONTAINER PER POUND RATES (CRV/POSTFILLED)	#5 PP	#6 PS	#7 OTHER	BIMETAL		
JUL - DEC 2006	9.0/NA	69.8/NA	11.3/NA	8.0/NA		

FOOTNOTE: * Because of the delay between the time a container is distributed for sale and the time it is returned for recycling, the Department has determined the average "Return Time" as two months. The sales shown reflect this two month lag period.

** If the Redemption Weight reported was higher than the Received Weight reported, then the Redemption Weight was used as Received Weight resulting in zero (0) Postfilled Containers.

CALENDAR YEAR - REDEMPTION AND RECYCLING RATES

Table 2
May 10, 2007



Rates			Containers				1 of 4
ALUMINUM	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled**	
2006	72	72	10,018,815,900	7,217,550,376	0	10,495,163	
2005	73	73	9,649,079,960	7,073,940,741	0	16,864,583	
2004	76	75	9,764,193,509	7,361,715,276	0	3,312,941	
2003	67	70	9,595,275,797	6,682,353,680	0	56,635,725	
2002	74	74	9,420,894,816	6,971,154,448	0	85,989,348	
2001	75	75	9,426,681,445	7,036,772,391	0	75,404,003	
2000	76**	76**	9,521,709,518	7,086,969,721	0	73,859,460	
1999	80	80	9,189,990,393	7,348,438,576	0	155,372,430	
1998	80	80	9,273,717,898	7,381,508,007	0	178,559,988	
1997	80	80	9,192,062,677	7,391,944,684	0	206,552,057	
1996	80	80	9,046,339,201	7,257,109,422	0	157,451,082	
1995	84	84	8,996,915,732	7,565,437,626	0	293,381,456	
1994	82	82	9,640,060,625	7,859,363,654	0	150,118,131	
1993	84	84	9,473,124,532	7,926,540,025	0	214,496,528	
1992	85	85	9,849,092,574	8,378,479,015	0	204,306,718	
1991	85	85	9,735,460,863	8,235,715,915	0	170,214,314	
1990	76	76	9,859,752,871	7,478,135,392	0	153,794,134	
1989	64	64	9,231,958,871	5,940,283,700	0	49,407,050	
1988	62	61	8,829,125,615	5,416,522,775	0	358,327,175	
GLASS							
2006	66	59	3,608,513,760	2,112,947,786	2,821	370,369,583	
2005	65	58	3,466,533,078	2,013,762,725	2,130	353,661,624	
2004	63	56	3,479,268,354	1,955,998,098	128,867	342,089,880	
2003	58	51	3,389,513,062	1,723,047,987	364,085	314,717,017	
2002	59	52	3,426,758,463	1,788,856,334	380,457	314,008,206	
2001	62	54	3,469,509,699	1,868,554,693	378,452	362,368,007	
2000	60**	54**	3,342,291,557	1,828,493,003	4,193,806	315,211,767	
1999	71	60	2,699,056,360	1,563,428,698	56,547,053	381,756,617	
1998	75	63	2,547,082,395	1,533,478,471	78,152,008	379,486,791	
1997	79	67	2,488,007,100	1,575,406,811	90,836,718	383,973,447	
1996	82	69	2,432,063,268	1,574,020,543	102,421,509	400,541,247	
1995	86	74	2,477,905,727	1,731,621,270	111,828,496	376,815,597	
1994	84	73	2,554,889,789	1,735,423,078	125,310,440	384,421,672	
1993	86	75	2,524,975,195	1,753,023,220	147,140,942	369,469,526	
1992	95	72	2,638,669,944	1,718,900,206	168,996,240	718,914,546	
1991	85	71	2,837,961,367	1,802,801,890	198,954,148	508,723,118	
1990	60	57	3,252,914,365	1,644,555,614	215,792,631	183,272,912	
1989	45	40	3,136,247,664	945,069,624	304,045,641	216,179,258	
1988	44	35	3,165,716,125	664,948,766	441,803,396	324,349,294	
#1 PET							
2006	47	47	7,798,923,048	3,644,524,984	0	141,107,582	
2005	46	46	6,858,895,480	3,124,591,752	0	130,597,359	
2004	39	39	6,415,159,040	2,512,392,756	0	121,121,275	
2003	36	35	5,553,858,516	1,947,144,218	0	125,886,380	

Rates			Containers				2 of 4
#1 PET	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled***	
2002	36	36	4,732,756,528	1,687,585,835	0	106,089,707	
2001	37	36	4,032,761,142	1,435,601,027	0	112,531,165	
2000	34 **	34 **	3,239,139,000	1,181,701,068	0	73,332,339	
1999	79	65	1,278,411,247	829,974,260	0	223,909,692	
1998	69	57	1,284,678,834	731,421,805	0	193,778,325	
1997	69	58	1,206,774,464	698,322,157	0	168,565,032	
1996	69	59	1,028,068,545	607,521,858	0	127,904,829	
1995	74	64	760,783,391	488,882,966	0	99,011,197	
1994	80	71	605,667,834	429,468,272	0	77,573,604	
1993	76	70	577,329,580	403,344,084	0	58,323,616	
1992	75	68	549,907,144	371,540,845	0	58,814,794	
1991	58	56	530,597,819	299,758,173	0	20,829,383	
1990	31	31	558,856,452	171,828,692	0	8,298,647	
1989	7	7	556,680,692	37,863,612	0	1,221,987	
1988	5	4	560,093,605	24,327,749	0	2,971,618	
#2 HDPE							
2006	168	59	368,095,875	217,278,376	0	412,468,760	
2005	149	51	390,610,134	199,446,347	0	393,714,308	
2004	131	47	425,894,436	198,752,419	0	370,342,710	
2003	97	34	525,379,842	176,430,068	0	342,980,733	
2002	118	42	427,072,126	181,466,591	0	331,509,039	
2001	110	39	457,575,262	177,141,048	0	336,565,235	
2000	98 **	22 **	385,191,241	93,243,804	0	345,788,475	
#3 PVC							
2006	19	19	314,221	60,124	0	529	
2005	6	6	570,261	36,597	0	1,693	
2004	5	5	922,688	45,486	0	3,719	
2003	5	4	1,151,133	48,650	0	7,218	
2002	1	1	3,518,723	19,920	0	5,642	
2001	2	1	3,519,764	51,490	0	4,172	
2000	2 **	2 **	2,259,829	46,244	0	9,514	
#4 LDPE							
2006	0	0	6,462,289	5,782	0	12,055	
2005	0	0	6,900,494	8,140	0	1,265	
2004	0	0	5,862,416	2,951	0	473	
2003	0	0	7,301,050	2,575	0	13,214	
2002	0	0	13,679,022	2,417	0	10,423	
2001	1	0	14,066,167	9,638	0	106,864	
2000	0 **	0 **	893,623	228	0	47	

Rates			Containers				<i>3 of 4</i>
#5 PP	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled***	
2006	2	2	3,945,154	73,484	0	3,867	
2005	1	1	3,074,850	22,976	0	942	
2004	1	1	3,139,197	21,889	0	0	
2003	1	1	1,790,682	12,098	0	6,925	
2002	2	1	1,107,605	16,537	0	5,057	
2001	8	7	514,294	34,721	0	6,094	
2000	10 **	10 **	811,660	79,025	0	2,529	
#6 PS							
2006	1	1	32,432,195	247,029	0	12,488	
2005	1	1	32,641,452	205,317	0	19,544	
2004	0	0	52,667,652	82,155	0	22,238	
2003	0	0	74,408,481	32,680	0	50,193	
2002	0	0	73,390,428	26,699	0	9,144	
2001	0	0	49,856,952	39,758	0	13,855	
2000	0 **	0 **	26,362,287	66,534	0	3,281	
#7 OTHER							
2006	5	4	41,525,903	1,788,663	0	229,111	
2005	6	6	29,787,510	1,801,073	0	76,924	
2004	10	10	25,369,712	2,541,878	0	126,225	
2003	1	1	25,520,391	290,781	0	33,095	
2002	0	0	20,544,424	41,234	0	10,531	
2001	0	0	10,842,578	19,820	0	10,112	
2000	1 **	1 **	14,656,909	80,409	0	23,362	
BIMETAL							
2006	8	8	41,529,914	3,235,096	0	356,523	
2005	8	7	47,178,540	3,508,551	0	432,928	
2004	6	5	65,019,282	3,020,186	0	1,057,274	
2003	6	6	68,296,985	4,098,082	0	520,747	
2002	2	1	56,396,942	785,045	0	156,002	
2001	1	1	47,846,889	523,120	0	164,993	
2000	1 **	1 **	25,093,499	297,767	0	63,323	
1999	11	11	2,270,648	260,797	0	15,370	
1998	13	13	2,088,892	264,603	0	10,246	
1997	19	19	2,252,193	432,794	0	27,375	
1996	17	17	2,230,519	388,095	0	29,890	
1995	21	21	2,268,190	484,539	0	21,375	
1994	17	17	2,506,373	430,610	0	10,470	
1993	19	19	3,655,432	683,945	0	16,945	
1992	12	12	6,453,684	796,519	0	42,330	
1991	14	14	6,353,803	878,207	0	59,958	
1990	3	3	10,529,837	314,760	0	34,415	
1989	2	2	10,643,975	199,890	0	354,570	
1988	0	0	7,683,421	13,237	0	300	

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ALL						
MATERIALS	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled***
2006	61	60	21,920,558,259	13,197,711,698	2,821	935,026,546
2005	62	61	20,485,271,759	12,417,324,219	2,130	895,371,171
2004	61	59	20,237,496,286	12,034,573,093	128,867	838,076,736
2003	56	55	19,242,495,939	10,533,460,820	364,085	842,851,246
2002	60	58	18,176,119,077	10,629,955,059	380,457	837,793,099
2001	62	60	17,513,174,192	10,518,747,707	378,452	887,174,501
2000	62**	61**	16,558,409,123	10,190,977,803	4,193,806	808,294,098
1999	76	74	13,169,728,648	9,742,102,332	56,547,053	761,054,109
1998	76	74	13,107,568,019	9,646,672,886	78,152,008	751,835,350
1997	78	76	12,889,096,434	9,666,106,446	90,836,718	759,117,911
1996	78	76	12,508,701,533	9,439,039,918	102,421,509	685,927,048
1995	83	81	12,237,873,040	9,786,426,401	111,828,496	769,229,625
1994	80	79	12,803,124,621	10,024,685,614	125,310,440	612,123,877
1993	82	81	12,579,084,739	10,083,591,274	147,140,942	642,306,615
1992	85	82	13,044,123,346	10,469,716,585	168,996,240	982,078,388
1991	82	80	13,110,373,852	10,339,154,185	198,954,148	699,826,773
1990	70	70	13,682,053,525	9,294,834,458	215,792,631	345,400,108
1989	56	56	12,935,531,202	6,923,416,826	304,045,641	267,162,865
1988	55	52	12,562,618,766	6,105,812,527	441,803,396	685,648,387

* Due to the addition of new beverages on January 1, 2000 from the passage of SB332, the calculation of the redemption and recycling rates for 2000 was based on the sales and return data reported from March - December 2000. This is to account for the two month sales lag. However, the totals for the sales, recycled, refillable and postfilled columns are for January - December 2000.

** Beginning 2003, all recycling and redemption rates are presented as whole numbers.

*** If the Redemption Weight reported was higher than the Received Weight reported, then the Redemption Weight was used as Received Weight resulting in zero (0) Postfilled Containers.